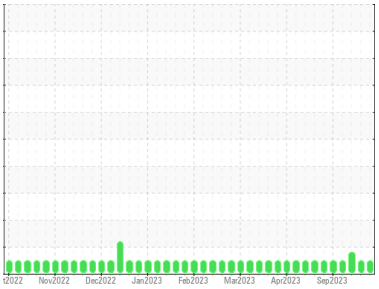
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
K603
Component
Natural Gas Compression Engine
Fluid
PETRO CANADA SENTRON LD SYNTHETIC BLEND (--- LTR)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC0089505**	PC0085501	PC0085486
Sample Date		Client Info		**27 Mar 2024**	16 Feb 2024	22 Jan 2024
Machine Age	hrs	Client Info		**28977**	28238	27655
Oil Age	hrs	Client Info		**27655**	0	0
Oil Changed		Client Info		**N/A**	Not Changd	Changed
Sample Status				**NORMAL**	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	**<1.0**	<1.0	<1.0
Water		WC Method	>0.1	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>14	**1**	<1	3
Chromium	ppm	ASTM D5185(m)	>3	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>5	**0**	0	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>5	**1**	2	2
Lead	ppm	ASTM D5185(m)	>8	**0**	0	<1
Copper	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Tin	ppm	ASTM D5185(m)	>3	**0**	0	0
Antimony	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	**1**	<1	1
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	0	**0**	0	<1
Manganese	ppm	ASTM D5185(m)	0	**0**	0	0
Magnesium	ppm	ASTM D5185(m)	3	**6**	6	7
Calcium	ppm	ASTM D5185(m)	1402	**1419**	1335	1645
Phosphorus	ppm	ASTM D5185(m)	246	**253**	247	301
Zinc	ppm	ASTM D5185(m)	305	**321**	297	376
Sulfur	ppm	ASTM D5185(m)	2310	**2219**	2277	2648
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>180	**0**	<1	2
Sodium	ppm	ASTM D5185(m)		**<1**	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	**<1**	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**4.5**	4.0	5.2
Nitration(Diff)	Abs/cm	ASTM E2412*		**4.5**	3.2	6.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	**16.7**	15.9	20.7
Sulfation(Diff)	Abs/cm	ASTM E2412*		**5**	3.6	12.1

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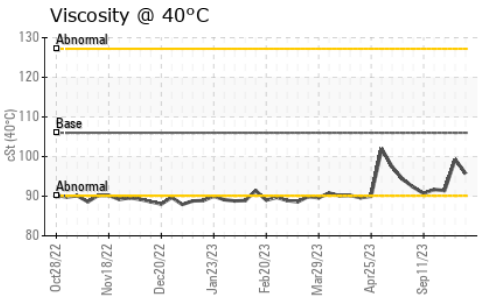
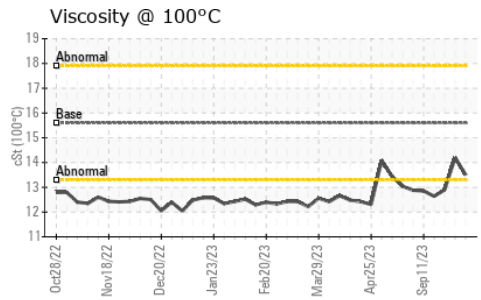
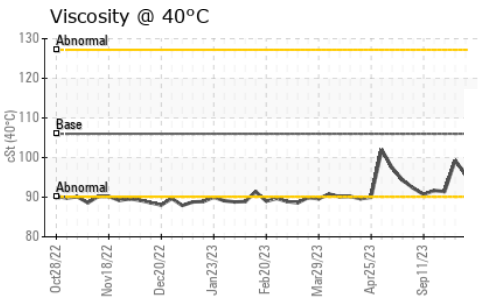




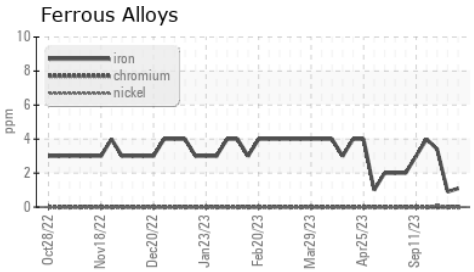


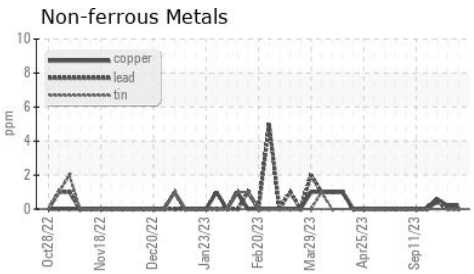
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**10.2**	9.4	12.8
Oxidation(Diff)	Abs/cm	ASTM E2412*		**5.5**	3.5	9.9
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	**1.40**	1.12	0.98

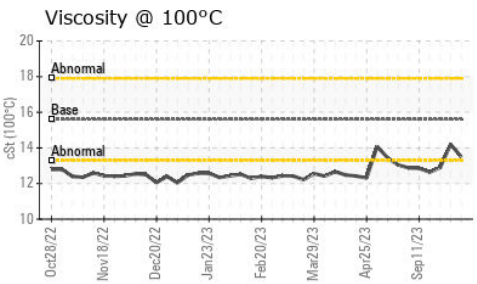
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

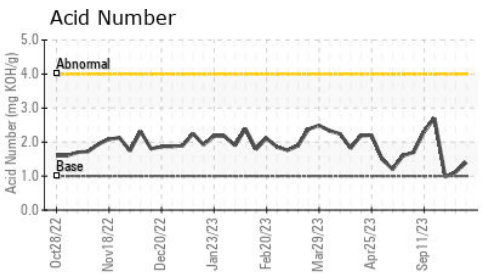
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	106.0	**95.7**	99.3	▲ 91.4
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	**13.5**	14.2	▲ 12.9
Viscosity Index (VI)	Scale	ASTM D2270*	153	**141**	146	139

GRAPHS









ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0089505 **Received** : 01 Apr 2024
Lab Number : 02625652 **Tested** : 01 Apr 2024
Unique Number : 5750771 **Diagnosed** : 02 Apr 2024 - Bill Quesnel
Test Package : GEO 2 (Additional Tests: FT-IR, FT-IR(Diff), TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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